

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6558680").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/19 17:09
S2	1	("4370319").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/20 10:33
S3	86901	cosmetic	US-PGPUB; USPAT	ADJ	ON	2007/09/20 10:33
S4	519	(siloxane! elastomer)	US-PGPUB; USPAT	ADJ	ON	2007/09/20 10:34
S5	604	(associative! polymer)	US-PGPUB; USPAT	ADJ	ON	2007/09/20 10:34
S6	174	S3 and S4	US-PGPUB; USPAT	ADJ	ON	2007/09/20 10:34
S7	6	S6 and S5	US-PGPUB; USPAT	ADJ	ON	2007/09/20 10:39
S8	6	S4 and S5	US-PGPUB; USPAT	ADJ	ON	2007/09/20 11:11
S9	5	("2006113882").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/20 11:12

10/959,630

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:40:59 ON 20 SEP 2007

=> fil ca

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CA' ENTERED AT 10:41:48 ON 20 SEP 2007

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FILE COVERS 1907 - 13 Sep 2007 VOL 147 ISS 13

FILE LAST UPDATED: 13 Sep 2007 (20070913/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s ((associative# polymer) or (water# soluble# polymer) or (hydrophobic# modified# polymer))

8206 ASSOCIATIVE#  
1112222 POLYMER  
904460 POLYMERS  
1497502 POLYMER  
(POLYMER OR POLYMERS)  
307 ASSOCIATIVE# POLYMER  
(ASSOCIATIVE# (W) POLYMER)  
2509945 WATER#  
100997 SOLUBLE#  
638991 SOL  
17677 SOLS  
646188 SOL  
(SOL OR SOLS)  
678409 SOLUBLE#  
(SOLUBLE# OR SOL)  
1112222 POLYMER  
904460 POLYMERS  
1497502 POLYMER  
(POLYMER OR POLYMERS)  
13413 WATER# SOLUBLE# POLYMER  
(WATER# (W) SOLUBLE# (W) POLYMER)  
142329 HYDROPHOBIC#  
568082 MODIFIED#  
1112222 POLYMER  
904460 POLYMERS  
1497502 POLYMER

10/959,630

(POLYMER OR POLYMERS)  
8 HYDROPHOBIC# MODIFIED# POLYMER  
(HYDROPHOBIC#(W)MODIFIED#(W)POLYMER)  
L1 13709 ((ASSOCIATIVE# POLYMER) OR (WATER# SOLUBLE# POLYMER) OR (HYDROPHOBIC# MODIFIED# POLYMER))

=> s ((siloxane OR "Polysiloxanes") polymer)  
MISSING OPERATOR LOXANES") POLYMER  
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s ((siloxane# polymer)  
UNMATCHED LEFT PARENTHESIS '((SILOXANE#'  
The number of right parentheses in a query must be equal to the number of left parentheses.

=> s ((siloxane# polymer) or (polysiloxane# polymer))  
98130 SILOXANE#  
1112222 POLYMER  
904460 POLYMERS  
1497502 POLYMER  
(POLYMER OR POLYMERS)  
2667 SILOXANE# POLYMER  
(SILOXANE#(W)POLYMER)  
84240 POLYSILOXANE#  
1112222 POLYMER  
904460 POLYMERS  
1497502 POLYMER  
(POLYMER OR POLYMERS)  
317 POLYSILOXANE# POLYMER  
(POLYSILOXANE#(W)POLYMER)  
L2 2965 ((SILOXANE# POLYMER) OR (POLYSILOXANE# POLYMER))

=> s L1 and L2  
L3 8 L1 AND L2

=> d 1-8 ibib ab

L3 ANSWER 1 OF 8 CA COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 147:37994 CA  
TITLE: Cosmetic compositions for warm peeling-massage  
INVENTOR(S): Imai, Masatoshi; Ishimori, Toshihiro  
PATENT ASSIGNEE(S): Kosei Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 14pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007145798	A	20070614	JP 2006-180997	20060630
PRIORITY APPLN. INFO.:			JP 2005-311348	A 20051026

AB It is intended to provide a cosmetic composition for use in warm peeling-massage, which is smoothly stretchable on the skin, and excellent in skin-warming effect and skin dirt-removing effect with good storage stability. Disclosed is a composition for use in warm peeling-massage, characterized by consisting of a 1st agent containing a dissoln. heat-generating salt, e.g. calcium chloride and magnesium chloride (hydrate), and a 2nd agent containing glycerin, a glycerin-modified silicone, a salt-sensitive water-sol. polymer, and

water. The 1st and 2nd agents were mixed before applying to the skin. For example, a 1st agent containing calcium chloride dihydrate 30 parts, fragrant/preservative q.s., and talc q.s., and a 2nd agent containing glycerin 30, a glycerin-modified silicone (KF-6100) 1, pectin (Genu pectin type LM-104AS-J) 1, pigment/preservative q.s., and water 35 parts were formulated, and mixed.

L3 ANSWER 2 OF 8 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 145:33479 CA  
 TITLE: Hair dye composition [machine translation]  
 INVENTOR(S): Nishizawa, Eiichi; Komaba, Shingo  
 PATENT ASSIGNEE(S): Kao Corp., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006143663	A	20060608	JP 2004-336832	20041122
PRIORITY APPLN. INFO.:			JP 2004-336832	20041122

AB A stable semipermanent hair dye composition comprises (1) direct dyes, (2) hydrocarbon oils, (3) polyoxyalkylene-modified dimethylpolysiloxane, (4) dimethylpolysiloxane, and (5) water-sol. polymers, wherein the weight ratio of (2) to (3) + (4) is 0.01-100, and the weight ratio of (4) to (3) is 0.01-100. The dye compns. may further comprise organic solvents, such as aromatic alcs., lower alkylene carbonate, N-alkylpyrrolidone, formamides, and/or lactones. For example, a hair dye composition contained Japan Red 106 0.05, Japan Violet 401 0.05, light isoparaffins 5, KF-6005 1, dimethylpolysiloxane (average polymerization degree 2700) 0.5, dimethylpolysiloxane (average polymerization degree 550) 1.5, xanthan gum 2, 2-benzyloxyethanol 2.5,  $\gamma$ -caprolactone 7.5, lactic acid (90 % solution) 5, malic acid (50 % solution) 0.1, ethanol 5, concentrated glycerin 5, 1,3-butylene glycol 0.1, additives q.s., and water to 100 %,.

L3 ANSWER 3 OF 8 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 135:247003 CA  
 TITLE: Polymer-based hair care emulsions  
 INVENTOR(S): Heinz, Dieter  
 PATENT ASSIGNEE(S): Goldwell GmbH, Germany; KPSS-KAO Professional Salon Services GmbH  
 SOURCE: Eur. Pat. Appl., 12 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1133973	A1	20010919	EP 2000-127532	20001215
EP 1133973	B1	20030319		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 10002107	A1	20010802	DE 2000-10002107	20000119
DE 10002107	C2	20020418		
DE 10060056	A1	20020613	DE 2000-10060056	20001202
PRIORITY APPLN. INFO.:			DE 2000-10002107	A 20000119

DE 2000-10060056 A 20001202

AB Polymer-based hair care emulsions contain plant protein hydrolyzates (mol. weight 10,000-500,000). As emulsifiers, alkyl dimethicone copolyols are used. Thus, an oily phase contained Abil EM90 2.5, ethoxylated hydrogenated castor oil 2.5, isohexadecane 6.0, caprylic/capric triglyceride 4.0, iso-Pr myristate 4.0 and protein hydrolyzates from Pisum sativum 1.0%. The aqueous phase comprised 1,2-propanediol 2.0, MgSO<sub>4</sub>·7H<sub>2</sub>O 0.7, glycerin 4.0, Aquaflex FX64 5.0, and water to 100%.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 8 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 121:207620 CA  
 TITLE: Stiffening textile finishes  
 INVENTOR(S): Haley, Kalliopi S.  
 PATENT ASSIGNEE(S): Amway Corp., USA  
 SOURCE: Ger. Offen., 11 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4331892	A1	19940407	DE 1993-4331892	19930920
CA 2106173	A1	19940324	CA 1993-2106173	19930914
AU 9347363	A	19940331	AU 1993-47363	19930915
AU 667233	B2	19960314		
GB 2270930	B	19950920	GB 1993-19412	19930920
JP 06240575	A	19940830	JP 1993-236268	19930922
US 5645751	A	19970708	US 1995-379095	19950126
PRIORITY APPLN. INFO.:			US 1992-950118	A 19920923
			US 1993-114069	A 19930902

AB Ready for use finishes for imparting stiffness and strength to textiles comprise ≤8% water-sol. polymers which when poured forms a clear, continuous film, ≤3% of a film compatible silicone ironing/sliding agent, and water whereby on drying the compns. form a transparent, elastic film. Concs. of the compns. are also claimed. The water-sol. polymers are chosen from the group consisting of poly(vinyl alc.), hydroxyethyl cellulose, and acrylic polymers and their salts.

L3 ANSWER 5 OF 8 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 120:14642 CA  
 TITLE: Water-in-oil-type hair preparations  
 INVENTOR(S): Kanbe, Tetsuya  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05246824	A	19930924	JP 1992-354522	19921216
PRIORITY APPLN. INFO.:			JP 1991-355123	A1 19911220

AB Water-in-oil-type hair prepns., which impart smoothness and softness to the hair without giving tackiness, contain (i) water-swelling clay minerals modified with quaternary ammonium salt-type cationic surfactants

and nonionic surfactants, (ii) water-sol. polymers, and (iii)  $R_1R_2SiO(SiOR_1)_2nSiR_1R_2$  ( $R_1 = Me, Ph; R_2 = Me, OH; n = 3000-20,000$ ). Isopar M 10.0, di-Me siloxane 5.0, distearyldimethylammonium chloride 0.8, diglyceryl diisostearate 2.0, dextrin fatty acid ester 1.5, H<sub>2</sub>O 73.9, glycerin 4.0, polyethylene glycol 0.5, Smectone 1.2, carboxyvinyl polymer 0.5, carrageenan 0.5, and NaOH 0.1 weight% were mixed to give a hair preparation, which was stable at 50° for  $\geq 1$  mo.

L3 ANSWER 6 OF 8 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 117:213137 CA

TITLE: Synthesis and aggregation properties of ionic amphiphilic side chain siloxane polymers

AUTHOR(S): Zint, David R.; Kilpatrick, Peter K.

CORPORATE SOURCE: Dep. Chem. Eng., North Carolina State Univ., Raleigh, NC, 27695, USA

SOURCE: Polym. Fiber Sci.: Recent Adv. (1992), 215-32.  
Editor(s): Fornes, Raymond E.; Gilbert, Richard D.  
VCH: New York, N. Y.

CODEN: 58AGA3

DOCUMENT TYPE: Conference

LANGUAGE: English

AB Me H siloxanes were treated with 10-undecenoic acid and neutralized with CsOH to give water-sol. polymers. The polymers lowered the surface tension of aqueous solns. and associated in solution to give aggregates 200-800 Å in diameter. The polymers formed isotropic rather than anisotropic phases. The siloxane having the greatest degree of undecanoate functionalization was the most water soluble, had the largest aggregate size, and formed a viscous isotropic liquid-crystalline phase at high concns. in water.

L3 ANSWER 7 OF 8 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 116:201193 CA

TITLE: Denture stabilizers containing dimethylpolysiloxane and water-soluble polymers

INVENTOR(S): Saraya, Yoshio; Matsumoto, Hitoshi

PATENT ASSIGNEE(S): Sunstar, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04029906	A	19920131	JP 1990-136683	19900525
PRIORITY APPLN. INFO.:			JP 1990-136683	19900525

AB Denture stabilizers contain di-Me siloxane (50-15,000,000 cPs at 25°) and water-sol. polymers. The stabilizers show good adhesion property for a prolonged time, do not have unpleasant taste, and are easily removed from denture after use. Di-Me siloxane (7,000,000 cPs) 50, poly(ethylene oxide) 30, and CMC Na 20 weight parts were mixed to give a denture stabilizer.

L3 ANSWER 8 OF 8 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 50:80014 CA

ORIGINAL REFERENCE NO.: 50:15123c-e

TITLE: Organopolysiloxanes

INVENTOR(S): Duane, John J.

10/959,630

PATENT ASSIGNEE(S): Union Carbide & Carbon Corp.  
DOCUMENT TYPE: Patent  
LANGUAGE: Unavailable  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2744923		19560508	US 1951-233121	19510622

AB Organopolysiloxanes are prepared by the controlled condensation of organosilanols in the presence of an anhydrous K salt of a weak acid. Thus, Et<sub>2</sub>Si(OH)<sub>2</sub> was polymerized to a viscous oil with loss of water by heating at 150° at 5 mm. in the presence of anhydrous K<sub>2</sub>CO<sub>3</sub>. Et<sub>2</sub>Si(OH)<sub>2</sub> and Ph<sub>2</sub>Si(OH)<sub>2</sub> were copolymerized by heating in the presence of K<sub>2</sub>CO<sub>3</sub> at 100° at 5 mm. Et<sub>2</sub>SiCl<sub>2</sub> (4 moles) was hydrolyzed in 3000 cc. Me<sub>2</sub>CO and 900 g. Na<sub>2</sub>CO<sub>3</sub>, filtered, the solvent removed, and heated for 3 hrs. at 5 mm. with 25 g. K<sub>2</sub>CO<sub>3</sub>. The resulting polymer was elastic. SiOR linkages are retained.

=> FIL STNGUIDE  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
50.33	50.54

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-5.84	-5.84

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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Sep 14, 2007 (20070914/UP).

=> s (dimethicone#) and (vinyl# dimethicone# cross?)  
0 DIMETHICONE#  
0 VINYL#  
0 DIMETHICONE#  
45 CROSS?  
0 VINYL# DIMETHICONE# CROSS?  
(VINYL#(W)DIMETHICONE#(W)CROSS?)  
L4 0 (DIMETHICONE#) AND (VINYL# DIMETHICONE# CROSS?)

=> s dimethicone  
0 DIMETHICONE  
L5 0 DIMETHICONE

=> fil ca  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.60	51.14

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-5.84

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FILE COVERS 1907 - 13 Sep 2007 VOL 147 ISS 13  
FILE LAST UPDATED: 13 Sep 2007 (20070913/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s dimethicone
      3501 DIMETHICONE
      25 DIMETHICONES
L6    3508 DIMETHICONE
      (DIMETHICONE OR DIMETHICONES)
```

```
=> s (vinyl# dimethicone# cross?)
      416457 VINYL#
      3508 DIMETHICONE#
      862347 CROSS?
L7    32 (VINYL# DIMETHICONE# CROSS?)
      (VINYL#(W)DIMETHICONE#(W)CROSS?)
```

```
=> S l6 and l7
L8    32 L6 AND L7
```

```
=> d l8 1-10 ibib ab
```

```
L8    ANSWER 1 OF 32  CA  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 147:219419  CA
TITLE: Silicon-containing benzophenone derivatives as
sunscreens
INVENTOR(S): Haase, Juerg; Mueller, Stefan; Ehliis, Thomas
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc, Switz.
SOURCE: Brit. UK Pat. Appl., 70pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
```

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2435041	A	20070815	GB 2007-2326	20070207
WO 2007090832	A1	20070816	WO 2007-EP51117	20070206
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,			



TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: EP 2006-101454 A 20060209

AB Hydroxyphenylbenzophenone derivs. (I; R1, R2 = H, C1-20 alkyl, C2-20 alkenyl, C3-20 cycloalkyl, C3-10 cycloalkenyl; R1-R2 together with linking N form 5-/6-membered heterocycle; R3, R4, R5 = C1-4 alkyl, C1-4 alkoxy, OSi(R6)3; R6 = C1-6 alkyl; A = C3-6 alkylene, optionally interrupted by one or more O or O(CO); m = 0-5) and a process for their preparation are provided. The compds. have outstanding solubility properties in oils and are useful in cosmetic formulations as UV filters for protecting skin and hair from the harmful effects of UV radiation. Thus, compound II was prepared and formulated in a water-in-silicone composition as a soluble UV-A filter. The composition contained isononyl isononanoate 2.80, cetyl dimethicone 4.00, silica di-Me silylate 1.00, ethylhexyl methoxycinnamate 0.30, octocrylene 8.00, compound II 3.00, bis-ethylhexyloxyphenol methoxyphenyl triazine 3.50, cyclomethicone 1.50, dimethicone 12.00, dimethicone (and) dimethicone/vinyl dimethicone crosspolymer 5.00, titanium dioxide (and) aluminum hydroxide (and) dimethicone/methicone copolymer (and) hydrated silica 1.00, water 1.50, sodium chloride 3.00, and butylene glycol to 100%, resp. The in vitro measurement showed high SPF value (SPF 30) and high UVA protection (UVA balance 20).

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT.

L8 ANSWER 2 OF 32 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 147:101211 CA

TITLE: Gel type water in silicone emulsified cosmetic composition having excellent make-up maintenance and spreadability by comprising optimum amount of silicone-based cross-polymer and inorganic thickening agent

INVENTOR(S): Kang, Yeon Hee; Han, Jong Sub; Lee, Cheon Koo

PATENT ASSIGNEE(S): Lg Household & Health Care Ltd., S. Korea

SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given  
 CODEN: KRXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2006133372	A	20061226	KR 2005-53184	20050620
PRIORITY APPLN. INFO.:			KR 2005-53184	20050620

AB A gel type water in silicone emulsified cosmetic composition is provided to show excellent spreadability and make-up maintenance, and have good long time preservation stability. The gel type water in silicone emulsified cosmetic composition comprises 1-30% of a silicone-based cross-polymer selected from the group consisting of dimethicone cross-polymer, dimethicone/vinyl dimethicone cross-polymer and dimethicone PEG10/15 cross-polymer, and 0.1-10% of an inorg. thickening agent selected from the group consisting of bentonite, hectorite and a mixture thereof.

L8 ANSWER 3 OF 32 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 147:78792 CA

TITLE: Cosmetic remover composition comprising a silicone

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crosspolymer  
INVENTOR(S): Jones, Dennis R.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 6pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007141008	A1	20070621	US 2006-640627	20061218
PRIORITY APPLN. INFO.:			US 2005-751018P	P 20051216

AB A cosmetic removal composition suitable for removing "permanent" or long lasting color cosmetics is described. The composition comprises at least one silicone crosspolymer with solvent properties. Thus, a cosmetic makeup remover comprised cyclopentasiloxane and dimethicone/vinyl dimethicone crosspolymer 89.0%, dioctyldodecyl dimer dilinoleate and omega-6-linoleic acid 0.50%, ceramide-3 0.50, and octyl cocoate 10.0%.

L8 ANSWER 4 OF 32 CA COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 146:527496 CA  
TITLE: Improved long lasting of lipstick using a combination of elastomeric powder and silicone acrylate copolymers  
AUTHOR(S): Postiaux, Stephanie; Tonet, Glada; Vervier, Ingrid  
CORPORATE SOURCE: Dow Corning SA, Senette, Belg.  
SOURCE: Research Disclosure (2006), 512(Dec.), P1553-P1554 (No. 512010)  
CODEN: RSDSBB; ISSN: 0374-4353  
PUBLISHER: Kenneth Mason Publications Ltd.  
DOCUMENT TYPE: Journal; Patent  
LANGUAGE: English  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RD 512010		20061210		
PRIORITY APPLN. INFO.:			RD 2006-512010	20061210

AB The combination of an elastomeric powder with silicone acrylate copolymer containing lipstick has been shown to increase the resistance of the lipstick. In particular, the combination of either 5% or 10% of dimethicone /vinyl dimethicone crosspolymer and silica with 27.8% of acrylates/polytrimethylsiloxymethacrylate copolymer in cyclopentasiloxane, in a lipstick results in an increase in color and an increase in resistance.

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 32 CA COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 146:427809 CA  
TITLE: Production and uses, in particular cosmetic uses, of a water-in-oil emulsion comprising a silicone  
INVENTOR(S): Pinzer, Reinhard; Sprogar, Christian  
PATENT ASSIGNEE(S): Schwan-Stabilo Cosmetics GmbH & Co. KG, Germany  
SOURCE: PCT Int. Appl., 22pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007038993	A1	20070412	WO 2006-EP1650	20060223
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

## PRIORITY APPLN. INFO.:

DE 2005-102005045353A 20050922

AB A preparation in the form of a water-in-oil emulsion which contains at least one silicone, at least one PEG/PPG dimethicone with 15 to 20 units of PEG and PPG, resp., as an emulsifier, a lipid phase, water in a proportion of 0.1 to 5% with respect to the total weight of the composition and at

least one particulate ingredient is described. Thus, a pearl lip color was prepared containing by parts PEG/PPG-19/19 dimethicone 16.00, cyclopentasiloxane 14.80, trisiloxane 38.050, polyethylene (micronized) 1.80, carnauba wax (micronized) 2.20, mica and titanium dioxide (CI No 77891) 11.00, iron oxides (CI No 77491, CI Number 77492 and CI No 77499) 1.30, silica 4.80, gel A (cyclopentasiloxane and disteardimonium hectorite) 5.00, gel B (isodecyl neopentanoate/cyclopentasiloxane/stearalkonium bentonite/propylene glycol/dimethicone-vinyl dimethicone crosspolymer) 3.00, phenoxyethanol 0.50, methylparaben 0.15, ethylparaben 0.025, propylparaben 0.075, fragrance 0.20, tocopherol 0.10, and water 1.00. The preparation was strongly shiny, copper-colored, highly viscous paste which nonetheless can be easily distributed on the skin, of a viscosity of 3000 Pa·s.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 32 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 146:396162 CA

TITLE: Recombinantly produced polyhydroxyalkanoate polymer particles displaying fusion proteins for a variety of diagnostic, analytical, and therapeutic uses

INVENTOR(S): Rehm, Bernd Helmut Adam; Backstrom, Bjorn Thomas

PATENT ASSIGNEE(S): Rehm, Bernd, Helmut, Adam, N. Z.; Backstrom, Bjorn, Thomas

SOURCE: PCT Int. Appl., 199 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007037706	A2	20070405	WO 2006-NZ251	20060927
WO 2007037706	A3	20070628		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,				

RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRIORITY APPLN. INFO.: NZ 2005-542644 A 20050927  
 NZ 2005-544096 A 20051212  
 NZ 2005-544097 A 20051212

AB The present invention relates to production and use of polymer particles where the polymer comprises poly( $\beta$ -amino acids), polylactates, polythioesters, or polyesters, and in particular polyhydroxyalkanoates (PHA) or more specifically poly(3-hydroxybutyrate). In particular the invention relates to functionalized polymer particles, processes of production, and uses thereof. Production of polymer particles are produced by recombinant host cells transfected with expression constructs comprising at least one nucleotide sequence encoding a polymer synthase and at least one nucleotide sequence encoding a fusion protein of polymer synthase and at least one fusion partner, and optionally addnl. fusions of polymer particle-binding domains and a fusion partner. The method is exemplified by the preparation of PHA particles displaying fusion polypeptides comprising phasin (PhaP from *Ralstonia eutropha*) and mouse oligodendrocyte glycoprotein (MOG) or interleukin-2, or a fusion polypeptide comprising an antibody binding the ZZ domain of *Staphylococcus aureus* protein A. The methods, polymer particles and fusion proteins of the present invention have utility in diagnostics, protein production, biocatalyst immobilization, and drug delivery.

L8 ANSWER 7 OF 32 CA COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 146:322858 CA  
 TITLE: Sunscreen compositions comprising PPG-3 benzyl ether myristate  
 INVENTOR(S): Lerg, Heike; Mundt, Claudia; Steinforth, Melanie  
 PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany  
 SOURCE: Eur. Pat. Appl., 29pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1762217	A1	20070314	EP 2006-120240	20060907
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
DE 102005044262	A1	20070315	DE 2005-102005044262	20050909

PRIORITY APPLN. INFO.: DE 2005-102005044262A 20050909

AB The invention concerns sunscreens that contain: (a) at least a UV-filter selected from the group of 4-tert-Butyl-4'-methoxydibenzoylmethane and 4-methoxycinnamic acid-2-ethylhexyl ester; (b) PPG-3 benzyl ether myristate. Addnl. other UV filters, pigments, tanning agents, moisturizers, tocopheryl acetate, preservatives etc. can be added. Emulsions, creams, eye shadows, makeups are prepared Thus an O/W emulsion contained (weight/weight%): glycerin monostearate 1.00; stearic acid 3.0; cetyl alc. 1.00; Uvinul A plus 2.50; bis-ethylhexyloxyphenol methoxyphenyl triazine 1.00; diethylhexyl butamido triazone 2.00; ethylhexyl methoxy cinnamate 3.50; titanium dioxide T 805 2.00; C12-15 alkyl benzoate 1.00; octyldodecanol 1.50; PPG-3 benzylether myristate 0.80; cetearyl isononanoate 4.00; dimethicone 0.50; dimethicone/

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vinyl dimethicone cross-polymer 4.00; glycerin 7.50; butylene glycol 5.00; tocopherol 0.20; taurine 1.00; DMDM hydantoin 0.60; phenoxyethanol 0.40; EDTA 0.20; ethanol 2.00; perfume 0.20; water to 100; neutralization agent (sodium hydroxide, potassium hydroxide) q.s.; pH 6.0-7.5.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 8 OF 32 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 146:258229 CA

TITLE: Sun block cosmetic composition having improved sun blocking activity, water resistance and transparency

INVENTOR(S): Kim, Song E.; Kyung, Kee Yeol; Yoon, Myeong Seok

PATENT ASSIGNEE(S): Lg Household & Health Care Ltd., S. Korea

SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given

CODEN: KRXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2006040151	A	20060510	KR 2004-89380	20041104
PRIORITY APPLN. INFO.:			KR 2004-89380	20041104

AB A sun block cosmetic composition is provided to improve sun blocking activity, water resistance, and transparency, and reduce glossy or sticky properties. The sun block cosmetic composition comprises 0.01-30 part by weight

of organic polysiloxane elastomer as a gelling agent and 1-45 parts by weight of

organic sunscreen, wherein the organic polysiloxane elastomer is dimethicone/vinyl dimethicone crosspolymer; and the organic sunscreen is selected from p-amino benzoic acid, octylmethoxy cinnamate, octylsalicylate, benzophenone, anthranilate, octocrylene, butylmethoxybenzoyl methane, oxybenzone, octyltriazone, Me anthranilate, 3,4-methylbenzylidene camphor and bis-ethylhexyloxyphenolmethoxy phenyltriazine.

L8 ANSWER 9 OF 32 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 145:443465 CA

TITLE: Long-wearing cosmetic composition comprising a silicone-containing polyurethane

INVENTOR(S): Fleissman, Leona G.; Raouf, Maha

PATENT ASSIGNEE(S): Avon Products, Inc., USA

SOURCE: PCT Int. Appl., 25pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006113882	A1	20061026	WO 2006-US14919	20060420
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

US 2005-673113P

P 20050420

AB The present invention relates to a cosmetic composition particularly useful for the application of color such as in a foundation, lipgloss, lipstick, eyeshadow, mascara, blush and nail polish. The cosmetic composition comprises a film-forming silicone-containing polyurethane having a viscosity of about 130,000 to about 2,500,000 cps being present in an effective amount to impart long lasting transfer resistant film when applied to a surface of the human body. The film-forming silicone-containing polyurethane has an isocyanate content of about 10 ppm or less. Thus, a long-wearing lip color system was provided comprising (i) a color part containing isodecane 50, bis-PEG-dimethicone-polypropylene glycol-IPDI copolymer 20, Bentone Gel-isododecane/disteardimonium hectorite/propyl carbonate 10, fragrance 0.20, acrylate copolymer 0.20, tetradibutyl pentaerithrityl hydroxyhydrocinnamate 0.05, titanium dioxide 4.12, Iron oxide red 34-2045 2.38, D&C Red Number 6 Barium Lake 0.90, sericite 2.55, dimethicone /vinyl dimethicone/crosspolymer/silica blend 9.1, and caprylyl glycol 0.50, and (ii) a clear part containing polybutene 66.84, hydrogenated polyisobutene 27.0, jojoba oil/gellants/BHT Hi viscosity 5.5, fragrance 0.20, hydroxystearic acid 0.26, and benzoic acid 0.20%, resp. The long-wearing color and the desired glossy finish were provided in a single application, such as in a lipstick or a liquid lip color applied with a wand or brush. Alternatively, a long-wearing lip color was a two-part system, wherein the first part applied to the lips contained the color and, once dried, a second clear part was applied over the color.

REFERENCE COUNT:

1

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 32 CA COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

145:362880 CA

TITLE:

Water-in-silicone emulsion compositions for retinoid  
 and copper-containing peptides

INVENTOR(S):

Singleton, Laura; Barkovic, Sylvia; Fernandez, Aldo  
 O.; Martens, Nicolas

PATENT ASSIGNEE(S):

Neutrogena Corp., USA

SOURCE:

Eur. Pat. Appl., 10pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1704853	A2	20060927	EP 2006-251578	20060323
EP 1704853	A3	20070124		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
US 2006216258	A1	20060928	US 2005-89259	20050324
CA 2540923	A1	20060924	CA 2006-2540923	20060323
JP 2006265253	A	20061005	JP 2006-81257	20060323

PRIORITY APPLN. INFO.:

US 2005-89259

A 20050324

OTHER SOURCE(S):

MARPAT 145:362880

AB The present invention relates to a water-in-silicone emulsion for topical administration of a retinoid and/or peptide complexed with a copper ion. Thus, a water-in-silicone emulsion containing retinol was prepared comprising

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dipropylene glycol 13, cyclopentasiloxane (and) cyclohexasiloxane 17.3, cyclopentasiloxane (and) dimethicone/vinyl dimethicone crosspolymer 12, dimethicone (and) dimethicone PEG 10/15 crosspolymer 6.25, isononyl isononoate 3, adipic acid/diethylene glycol/glycerin crosspolymer 2, squalene 1, bisabolol 1, oat (Avena sativa) kernel extract 0.9, ethylhexylglycerin 0.7, glycerin 0.5, sodium chloride 0.5, sodium citrate 0.2, erythorbic acid 0.1, dipotassium glyccyrrhizate 0.1, retinol 0.1, BHT 0.7, tocopherol 0.5, and water to 100%, resp. The permeation of retinol from the formulation prepared, with and without the film former adipic acid/diethylene glycol/glycerin crosspolymer, was compared in an in-vitro pig skin model study with a com. available oil-in-water emulsion containing 0.1% retinol. The efficiency of retinol permeation into the skin was unexpectedly increased by the water-in-silicone emulsion formulations as compared to the com. available oil-in-water emulsion. The presence of the film former affected the retinol absorption. Retinol permeation from the com. emulsion and emulsions with and without film former was 4.0%, 12.4%, and 18.1%, resp.

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

36.28

87.42

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-7.30

-13.14

FILE 'STNGUIDE' ENTERED AT 10:58:15 ON 20 SEP 2007

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Sep 14, 2007 (20070914/UP).

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